

AIRBORNE SURVEY SPECIFICATIONS

MAGNETOMETER : 3 G-813 proton precession magnetometers in tail stinger and wing tips.
Sensitivity ± 0.2 nT

RECORDING INTERVAL : 30m sampling

SPECTROMETER : GR - 800 gamma ray spectrometer
Volume = 16.8 litres
0.8 - 3.00 MeV

TOTAL COUNT WINDOW : 1.36 - 1.56 MeV

POTASSIUM WINDOW : 1.46 - 1.86 MeV

URANIUM WINDOW : 2.42 - 2.82 MeV

THORIUM WINDOW : 2.42 - 2.82 MeV

RECORDING INTERVAL : 60m sampling

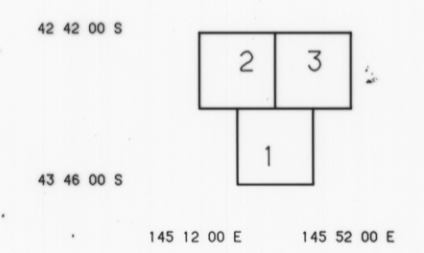
DATA RECORDING : Geometrics 714 acquisition system.
Digital to magnetic tape.

NOMINAL TERRAIN CLEARANCE : All detectors in aircraft at 150m.

NOMINAL LINE SPACING : Traverse lines 500 metres.
Tie lines 10 km.
continuous tracking colour video.

FLIGHT PATH RECORD : Visually to 1:50,000 topographic maps

SHEET THREE
GRADIENT ENHANCED MAGNETIC CONTOURS
Grid notation refers to Australian Map Grid Zone 55
Digitized from colour photos at 1:50000
Magnetic : gradient enhanced
from transverse gradient derived
from 3 total field sensors
Altitude corrections have not been applied to gradients. This may account for some line dependent features in hilly areas.
IGRF (1980) : Updated to December 1985
IGRF (1980) : Removed, Datum 2000 nT added
Grid mesh size : 100 x 100 metres
Grid filter : Polynomial, radius 150 metres
Contour Interval : 5, 10, 50, 100 and 250 nT



0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 Km
SCALE 1:50000

JOB NO : 9312
Flown by Geometrics International Corporation
November 1985
Processed by Engineering Computer Services, Berrall

TASMANIAN MINES DEPARTMENT

WESTERN TASMANIA
GRADIENT ENHANCED MAGNETIC CONTOURS
SHEET THREE

DATE: 16-APR-86